

Land Quality Update

Local Program Workshop

February 4-5, 2014

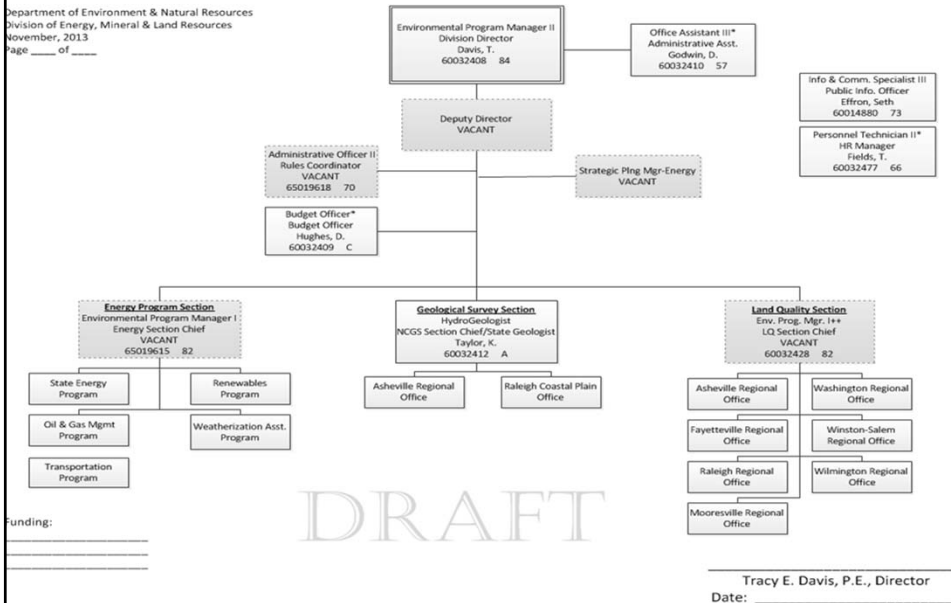
Toby Vinson

Topics

- Stormwater Integration / Combined Inspections
- Energy Program
- Customer Service Activities
- Regulatory Updates

Land Quality Section O-Chart, August 1, 2013

Department of Environment & Natural Resources
 Division of Energy, Mineral & Land Resources
 November, 2013
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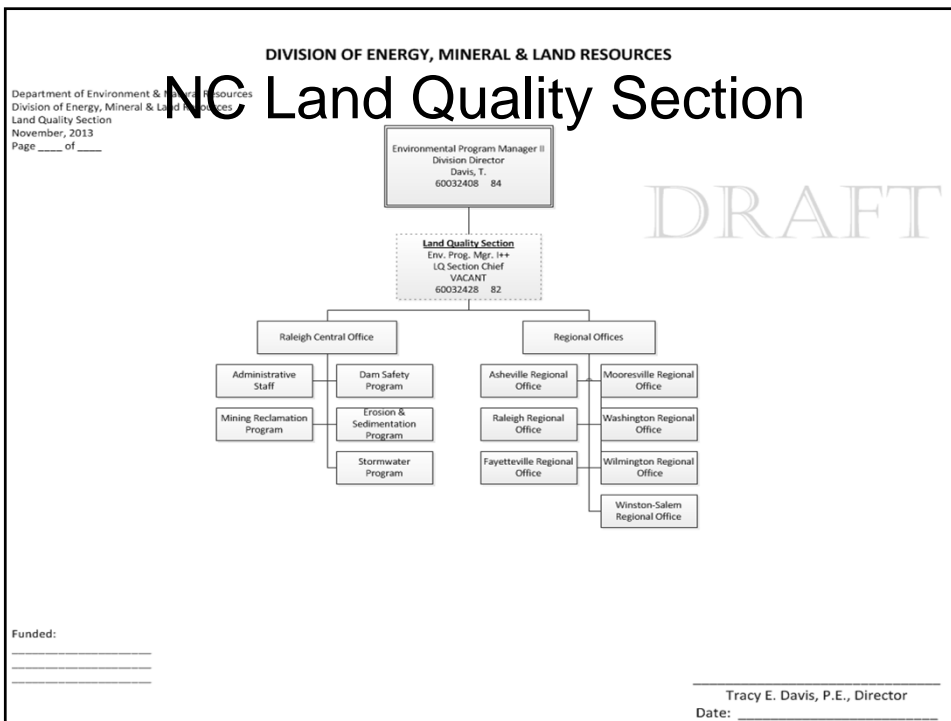
Funding:

Tracy E. Davis, P.E., Director
 Date: _____

DIVISION OF ENERGY, MINERAL & LAND RESOURCES

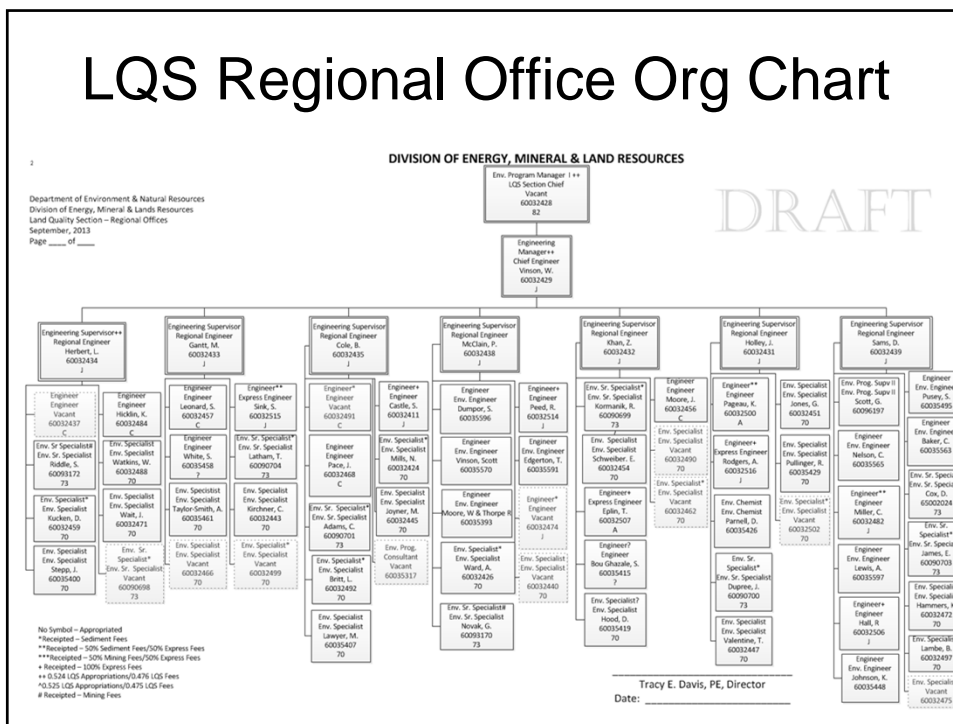
NC Land Quality Section

Department of Environment & Natural Resources
 Division of Energy, Mineral & Land Resources
 Land Quality Section
 November, 2013
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Funded:

Tracy E. Davis, P.E., Director
 Date: _____



Integration of Stormwater Program

- Regional Offices, 21 new staff
- Central Office, 9 new staff
- “Fast-Track Permitting
 - Minimum Design Criteria
 - Technical Working Group
 - Rules by July 2016
 - Includes State and locally delegated state programs (permits w/out review of device designs that fit MDC)

Combined Inspections

Combined Self-Inspections

- Combined Inspection Report templates for use is complete. Working on Combined NOV
- LQS staff started looking for documentation of the E&SC inspections as of December 1, 2010
- LQS staff started looking for both E&SC and Stormwater Self-Inspections on August 1, 2013. LP's should be looking for this too.

Combined Self-Inspection Form

DEMLR Monitoring Form Rev. 08012013 Page 1 of 2
 INSPECTION AND MONITORING RECORDS FOR ACTIVITIES UNDER STORMWATER GENERAL PERMIT NCG010000
 AND SELF-INSPECTION RECORDS FOR LAND DISTURBING ACTIVITIES PER G.S. 113A-54.1

Project Name		Land Quality or Local Program Project #	
Financially Responsible Party, (FRP) / Permittee		County	
INSPECTOR	Name	Employer	
Inspector Type (Mark) X	Address		
FRP/Permittee	Phone Number	Email Address	
Agent/Designee			

PART 1A: Rainfall Data

Day / Date	Rain Amt (inches) Daily Rainfall Required, except for Holidays or Weekends. If no rain, indicate with a "zero"
M	
T	
W	
Th	
F	
Sat (Optional)	
Sun (Optional)	

PART 1B: Current Phase of Project

Phase of Grading check the applicable box(es)	X
Installation of perimeter erosion and sediment control measures	
Clearing and grubbing of existing ground cover	
Completion of any phase of grading of slopes or fills	
Installation of storm drainage facilities	
Completion of all land-disturbing activity, construction or development	
Permanent ground cover sufficient to restrain erosion has been established	

PART 1C: Signature of Inspector

By this signature, I certify in accordance with the NCG010000 permit & G.S. 113A-54.1 that this report is accurate and complete to the best of my knowledge.

Financially Responsible Party / Permittee or Agent / Designee	Date
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GROUND STABILIZATION TIMEFRAMES

Site Area Description	Stabilization	Timeframe Exceptions
Perimeter dikes, swales and slopes	7 Days	None
High Quality Water (HQW) Zones	7 Days	None
Slopes Steeper than 3:1	7 Days	If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed
Slopes 3:1 or flatter	14 Days	7 days for slopes greater than 50' in length
All other areas with slopes flatter than 4:1	14 Days	None, except for perimeters and HQW Zones

*For an editable copy of this form as a Word doc and other information, see <http://portal.ncdemr.org/web/ir/erosion>

Combined Self-Inspection Form

DEMLR Monitoring Form Rev. 08012013 Page 2 of 2

PART 2A: EROSION AND SEDIMENTATION CONTROL MEASURES: Measures must be inspected at least ONCE PER 7 CALENDAR DAYS AND WITHIN 24 HOURS OF A RAINFALL EVENT GREATER THAN 0.5 INCH PER 24 HOUR PERIOD.

Erosion and Sedimentation Control Measures Inspected

Measure ID or Location and Description	Operating Properly? (Y/N)	Any Repair or Maintenance Needed? (Y/N)	New Measures Installed *			Inspection Date	Describe Actions Needed Corrective actions should be performed as soon as possible and before the next storm event	Date Corrected
			Proposed Dimensions (ft.)	Actual Dimensions (ft.)	Significant Deviation from Plan? (Y/N)			

*New erosion and sedimentation control measures installed since the last inspection should be documented here or by initialing and dating each measure or practice shown on a copy of the approved erosion and sedimentation control plan. List Dimensions of Measures such as Sediment Basins and Riprap Aprons

PART 2B: STORMWATER DISCHARGE OUTFALLS (SDOs): SDOs must be inspected at least ONCE PER 7 CALENDAR DAYS AND WITHIN 24 HOURS OF A RAINFALL EVENT GREATER THAN 0.5 INCH PER 24 HOUR PERIOD.

Stormwater Discharge Outfalls Inspected

Stormwater Discharge Outfall ID or Location	Any Visible Sedimentation in Streams, Wetlands or Outside Site Limits? (Y/N)	Any Increase in Stream Turbidity from Discharge? (Y/N)	Any Visible Erosion below SDO? (Y/N)	Any visible oil sheen, floating or suspended solids or discoloration? (Y/N)	Inspection Date	Report Visible Sedimentation to streams or wetlands to Land Quality within 24 Hours http://portal.ncdemr.org/web/ir/division-contacts Describe Actions Needed Corrective actions should be performed as soon as possible and before the next storm event	Date Corrected

PART 2C: GROUND STABILIZATION Must be recorded after each Phase of Grading

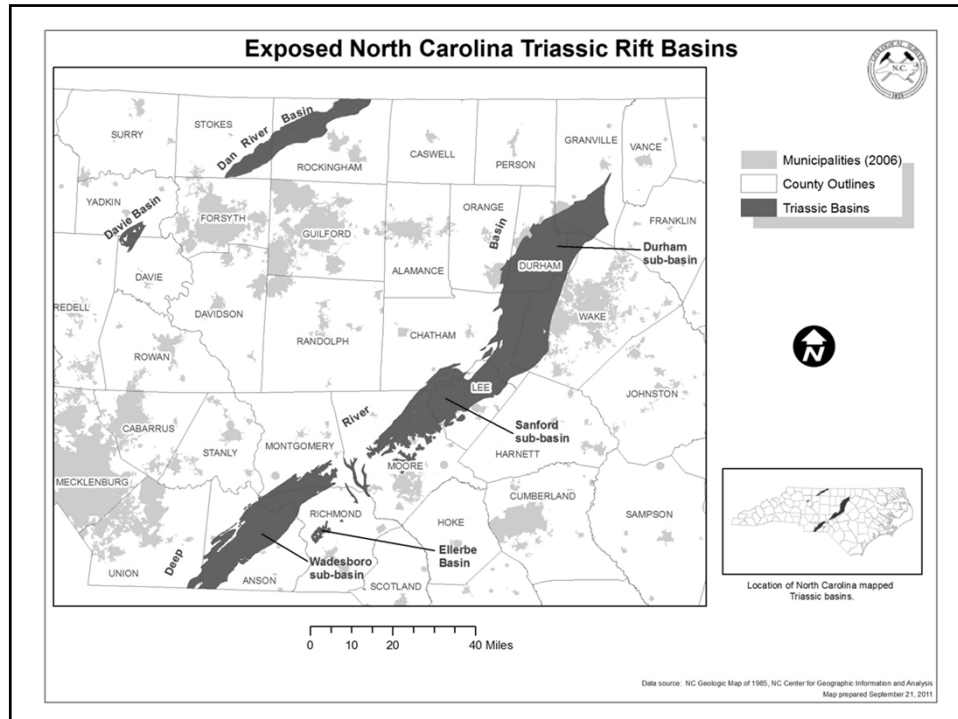
Areas Where Land Disturbance Has Been Completed or Temporarily Stopped	Time Limit for Ground Cover 7 days or 14 days	Is Ground Cover Sufficient to Restrain Erosion? (Y/N)	Inspection Date	Describe Actions Needed	Date Corrected

Combined ESC/CSW Inspection Report

SEDIMENTATION/CONSTRUCTION STORMWATER INSPECTION REPORT		SEDIMENTATION/CONSTRUCTION STORMWATER INSPECTION REPORT	
<p>North Carolina Department of Environment and Natural Resources Land Quality Section: 1500 Barrett Drive, Raleigh, NC 27609, Phone: (919) 791-4200</p>		<p>North Carolina Department of Environment and Natural Resources Land Quality Section: 1500 Barrett Drive, Raleigh, NC 27609, Phone: (919) 791-4200</p>	
<p>County: _____ Project: _____ River basin: _____</p> <p>Person financially responsible: _____ Project: _____</p> <p>Address: _____ Case #: _____</p>	<p>1. Project location: <input type="checkbox"/> Paper No. <input type="checkbox"/> Yes <input type="checkbox"/> Video <input type="checkbox"/> Digital <input type="checkbox"/> No</p>	<p>9. Corrective actions needed (continued)</p> <p><input type="checkbox"/> Submit an adequate sedimentation and erosion control plan for approval, covering all areas disturbed or to be disturbed.</p> <p><input type="checkbox"/> Install all sedimentation and erosion control measures as shown on the approved plan.</p> <p><input type="checkbox"/> Submit a revised sedimentation and erosion control plan for approval for the following areas: _____</p> <p><input type="checkbox"/> Provide adequate permanent ground cover on all areas where development has been completed according to the time limit in the approved plan, including the following areas: _____</p> <p><input type="checkbox"/> Install erosion and sediment control devices sufficient to retain sediment on the tract at the following areas: _____</p> <p><input type="checkbox"/> Install temporary sediment traps or basins and associated diversions as shown on the approved plan, including the following locations: _____</p> <p><input type="checkbox"/> Install adequate drop side protection as shown on the approved plan, including the following locations: _____</p> <p><input type="checkbox"/> Provide an adequate stream buffer zone of sufficient width to confine visible sedimentation within the 25 % of the buffer across the land disturbance using natural or artificial means (minimum 25-foot width in Trout Waters) including the following areas: _____</p> <p><input type="checkbox"/> Establish the angle of graded slopes to an angle on which vegetative ground cover may be established including the following locations: _____</p> <p><input type="checkbox"/> For disturbed areas less than one acre, provide adequate temporary or permanent ground cover on all eroded slopes where earth or fill grading has been completed for 21 calendar days, including the following locations: _____</p> <p><input type="checkbox"/> Maintain all sedimentation and erosion control measures as specified in the approved plan and as required to prevent sedimentation damage, including the following locations: _____</p> <p><input type="checkbox"/> Properly locate concrete to avoid contact with surface water, wetlands or buffers and prevent discharge from site.</p> <p><input type="checkbox"/> Exclude soil on slopes at least 10 feet away from stream drain inlets or surface water.</p> <p><input type="checkbox"/> Provide adequate temporary or permanent ground cover on areas where land-disturbing activity has ceased in 7 or 14 days according to NCG 01000 permit conditions at the following areas: _____</p> <p><input type="checkbox"/> Provide sediment basins with a drainage area of one acre or greater with a skimmer or floatboard riser.</p> <p><input type="checkbox"/> Inspect all erosion and sedimentation control measures and storm discharge outfalls at least weekly and within 24 hours of a rainfall event of 1/8 inch or greater and complete self-monitoring reports.</p> <p><input type="checkbox"/> Maintain a rain gauge in good working order and record daily rainfall amounts.</p>	<p>2. Weather and soil conditions: First inspection: Yes <input type="checkbox"/> No <input type="checkbox"/></p>
<p>3. Is site currently under notice of violation? Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>4. Is the site in compliance with S.P.C.A. and rules? Yes <input type="checkbox"/> No <input type="checkbox"/> If not, check violations below:</p> <p>5. Violations: <input type="checkbox"/> a. No approved plan, G.S. 113A-57 (4) and 15A NCAC 4B 0107(c) <input type="checkbox"/> b. Failure to follow approved plan, G.S. 113A-57(3) <input type="checkbox"/> c. Failure to submit erosion plan, G.S. 113A-54 (3) and 15A NCAC 4B 0118(a) <input type="checkbox"/> d. Failure to provide adequate groundcover, G.S. 113A-57(3), 15A NCAC 4B 0107(b) or 15A NCAC 4B 0118(a) <input type="checkbox"/> e. Inefficient measures to retain sediment on site, G.S. 113A-57(3) <input type="checkbox"/> f. Failure to take all reasonable measures, 15A NCAC 4B 0105 <input type="checkbox"/> g. Inadequate buffer zone, G.S. 113A-57(1) <input type="checkbox"/> h. Graded slopes and fills too steep, G.S. 113A-57(2) or 15A NCAC 4B 0124(d) <input type="checkbox"/> i. Unprotected exposed slopes, G.S. 113A-57(2) <input type="checkbox"/> j. Failure to maintain measures, 15A NCAC 4B 0118 <input type="checkbox"/> k. Failure to self-inspect, G.S. 113A-54 (4) and 15A NCAC 4B 0111 <input type="checkbox"/> l. Other (describe): _____</p>	<p>6. Is the site in compliance with NPDES Permit NCG 01000? Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable <input type="checkbox"/> If yes, check violations below: <input type="checkbox"/> m. Failure to manage construction site pollution, NCG 01000 Sec. II, B.1 <input type="checkbox"/> n. Failure to provide ground stabilization, NCG 01000 Sec. II, B.2 <input type="checkbox"/> o. Failure to maintain rain gauge or record daily rainfall, NCG 01000 Sec. II, B.3(a) <input type="checkbox"/> p. Failure to meet self-inspection and reporting requirements, NCG 01000 Sec. II, B.3(c) <input type="checkbox"/> q. Failure to demarcate sediment basin from surface, NCG 01000 Sec. II, B.4 <input type="checkbox"/> r. Failure to install and maintain BMP's, NCG 01000 Sec. III, 4 <input type="checkbox"/> s. Failure to operate and maintain control measures, NCG 01000 Sec. IV, 1 <input type="checkbox"/> t. Bypass of measure control facilities, NCG 01000, Sec. IV, 3 <input type="checkbox"/> u. Other (describe): _____</p>		
<p>7. Has sedimentation damage occurred? <input type="checkbox"/> above last inspection <input type="checkbox"/> at 1st inspection? Yes <input type="checkbox"/> No <input type="checkbox"/> If yes, where? (check all that apply) No <input type="checkbox"/></p> <p>Like natural watercourse on the tract? <input type="checkbox"/> Like natural watercourse off the tract? <input type="checkbox"/> Other property? <input type="checkbox"/></p> <p>Description: _____</p> <p>Stormwater Discharge Outfall with high turbidity or sediment loss: _____</p> <p>Degree of damage: slight <input type="checkbox"/> moderate <input type="checkbox"/> severe <input type="checkbox"/></p> <p>8. Corrective needs with (name) _____ Title: _____</p> <p>Inspection report given <input type="checkbox"/> or sent <input type="checkbox"/> to person financially responsible. Date given/sent: _____</p>	<p>10. Comments: _____</p> <p>Permanent ground cover sufficient to control erosion has been established. No additional self-monitoring or self-inspections are required. Project is released and coverage under NPDES General Stormwater Permit for Construction Activities is terminated.</p>		
<p>Report by: _____ Other present: _____</p> <p>Date of inspection: _____ Time arriving on site: _____ Time leaving site: _____</p> <p>Revision Date 09/09/2013 Page 1 of 2</p>	<p>Revision Date 09/09/2013 Page 2 of 2</p>		

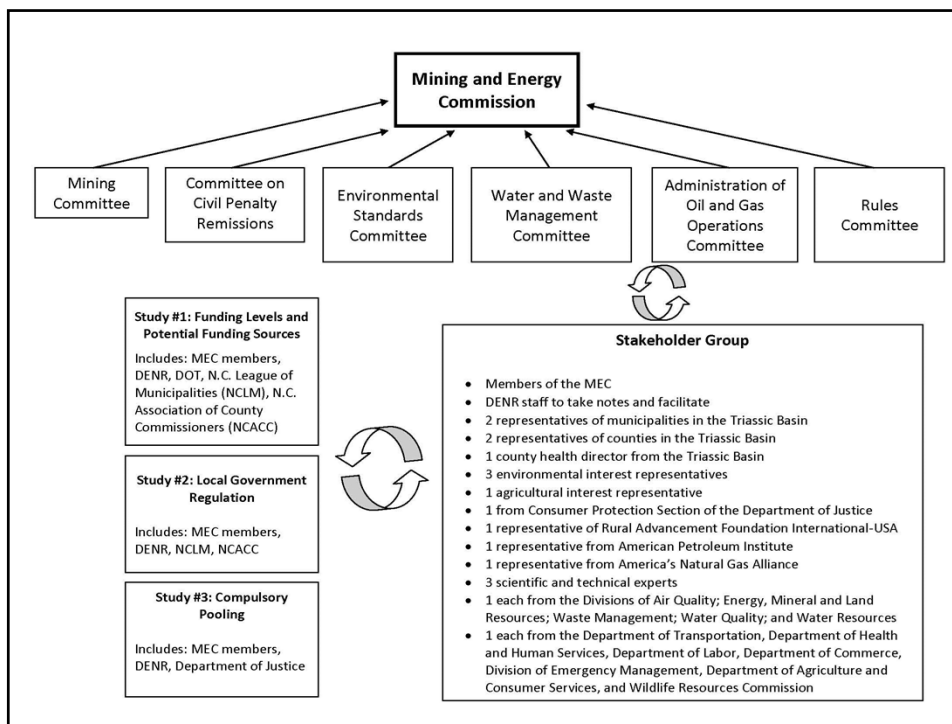
Energy Program

Oil and Gas



Oil and Gas Development

- Coordinated Permitting for Single Environmental Permit?
- Site Development (Fees, Impact Fees)
- Bonding
- Production (Severance Taxes)
- Reclamation



Customer Service Activities

- Workshops – 2 in Fall (November 6 and December 12); 2 in Spring (Dates TBA)
- Local Program Workshop (TODAY)
- NOV Notifications
- NOV Compliance Inspection Notifications
- Pre-Application Meetings
- Piloting Fast Track Erosion and Sediment Control in MRO
- Electronic Permitting and Inspections

Erosion and Sediment Control Program Fast Track Pilot Program

- This is not required. It is an option.
- Response has been positive.
- Limited to residential home-building with individual lot disturbance less than 1 acre and total site disturbance less than 5 acres
- Lots are finished or at final grade.
- No change in general drainage pattern
- Not in HQW, No wetlands or creeks within 100 feet
- Expected time of review is 15 days

Electronic Permitting and Inspections

- AMANDA – ECLIPS
 - Back Office – February 2014
 - Portal – March 2014
 - Mobile Inspections – April 2014

Regulatory Updates

- **Review State Environmental Rules** - Although all programs are being reviewed, currently DENR has not been given a schedule to review rules
- **Transfer Environmental Permits** —
 - 1) The proposed transferee is the owner of the land to be disturbed or has the owner's written consent to conduct the land-disturbing activity;
 - 2) The proposed transferee intends to use the permit for the purposes for which it was issued;
 - 3) There will be no change of the project covered by the plan that would affect any requirement of the plan

Questions???

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